

DERWENT-ACC-NO: 1994-309658

DERWENT-WEEK: 199438

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TITLE: Ships gas-turbine power plant - has
splitting coupling,
and worm gear planetary réducer with epicyclic gear
coupled to shaft of electric motor

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PRIORITY-DATA: 1990SU-4778838 (January 8, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE	PAGES	MAIN-IPC
SU 1815368 A1		May 15, 1993
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
SU 1815368A1		
1990SU-4778838	N/A	
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INT-CL (IPC): F02C007/00

ABSTRACTED-PUB-NO: SU 1815368A

BASIC-ABSTRACT:

A drive turbine is connected through differential mechanism (6) to AC electricity generator (8), which feeds the ship consumers (9). The electricity generator current frequency is stabilised by using an electric motor connected through planetary reducer (24) to differential mechanism. The planetary reducer is provided with a splitting coupling (22) and

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self-braking worm pair
(13) connected to the electric motor. The worm pair worm
(15) is rotated in
direction matching with the torque vector.

USE/ADVANTAGE - In gas turbines used in ships. Economy is improved.

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CHOSEN-DRAWING: Dwg.1/3

TITLE-TERMS: SHIP GAS TURBINE POWER PLANT SPLIT COUPLE
PLANET REDUCE EPICYCLIC
GEAR WORM GEAR COUPLE SHAFT ELECTRIC MOTOR

DERWENT-CLASS: Q52 W06 X11

EPI-CODES: W06-C01C3; X11-C;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1994-243432

